



Learning Center Building
22000 Gibraltar Rd., Flat Rock, MI 48134

CAP SHEET

PROGRAM: Drafting

TEACHER: K. VanDyne

SCHOOL: Trenton



Credits given in addition to regular CTE are:

- VPAA 1 Credit
- 4th Year Math Related ½ credit

Articulation agreements and/or licensure opportunities are:

- Davenport University
- Henry Ford Community College
- Monroe County Community College
- Wayne County Community College District

Prequisites for this program (including application processes if needed) are:

- Successful completion of math class
- "C" or better in Drafting I to move to Drafting II
- Instructor permission to move to Drafting II

**THIS PROGRAM OFFERS EXCELLENT CAREER OPPORTUNITIES FOR BOTH
MALE AND FEMALE STUDENTS.**

BRIEF DESCRIPTION OF THIS PROGRAM

This is a two hour course in three-dimensional, feature-based parametric solid CAD. In this course the student will create complex three-dimensional parametric models and then generate two-dimensional views from those CAD models. Single parts and assemblies are developed, constrained and manipulated in the modeling process. The application of dimensions, tolerances and the creation of advanced views will be learned in the drafting environment. Instruction in surfacing will include extruding and the creation of simple and complex surfaces in the Generative Shape Design Work Bench.

SPECIAL FEATURES OF THIS PROGRAM

The students enrolled will compete in the Michigan Industrial Technology Education Society yearly student competition. Students will also have the opportunity to visit the Ford Motor Company Research and Innovation Center in Dearborn for the High School Science and Technology Program.



DCTC

**Proud To Bring Career-Technical Education To Our Students At:
Airport, Flat Rock, Gibraltar-Carlson, Grosse Ile, Huron, Riverview,
Southgate-Anderson, Trenton and Woodhaven**

STATEMENT OF COMPLIANCE WITH FEDERAL LAW

The Downriver Career Technical Consortium complies with all Federal laws and regulations of the U.S. Department of Education. It is the policy of the Downriver Career Technical Consortium that no person on the basis of race, color, religion, national origin or ancestry, age, gender, height, weight, marital status, disability, or limited English proficiency shall be discriminated against, excluded from participation in, denied the benefits of, or otherwise be subjected to, discrimination in any program or activity to which it is responsible or for which it receives financial assistance from the U.S Department of Education. Furthermore, the Consortium will encourage participation by all of the above.